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AS81714/21

FEDERAL SUPPLY CLASS
5940

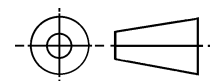
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THIRD ANGLE PROJECTION



ISSUED 2001-07

PREPARED BY SAE SUBCOMMITTEE AE-8C2

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AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL
JUNCTION BLOCKS, ELECTRONIC, IN-LINE
JUNCTIONS, INTEGRAL DIODE, SERIES I

AS81714/21
SHEET 1 OF 4

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCKS DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.

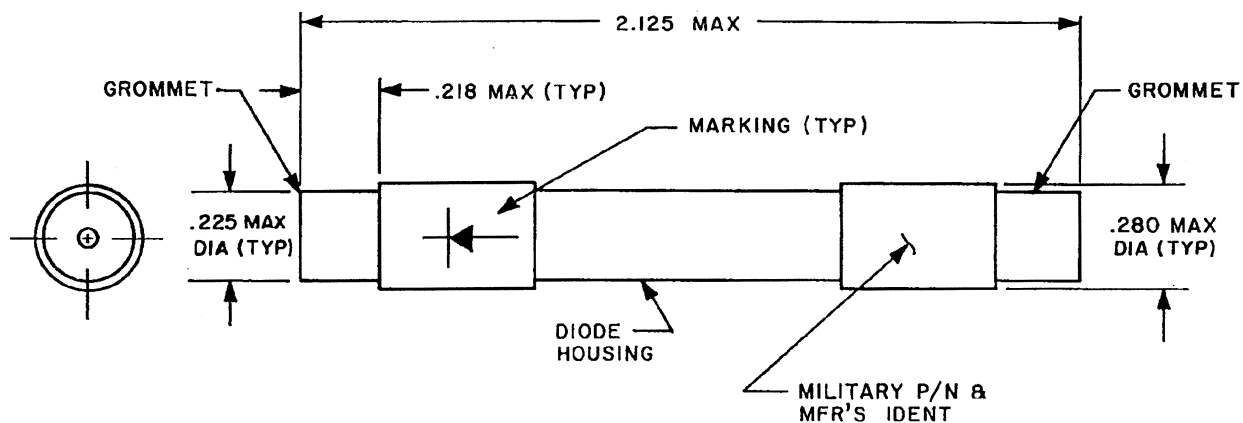


FIGURE 1. STYLE 1 ELECTRONIC IN-LINE JUNCTION.

TABLE I. STYLE 1 PART NUMBERS.

Contacts (see Note 3)			
Part Number <u>1</u> /	Diode P/N	Size	Part Number
M81714/21-ID001	JAN 1N5618	22	M39029/1-100
M81714/21-ID002	JAN 1N5618	20	M39029/1-101
M81714/21-ID003	JAN 1N4148	20	M39029/1-101
M81714/21-ID004	JAN 1N5620	20	M39029/1-101

1/ See part number explanation, Note 5
 * Class D

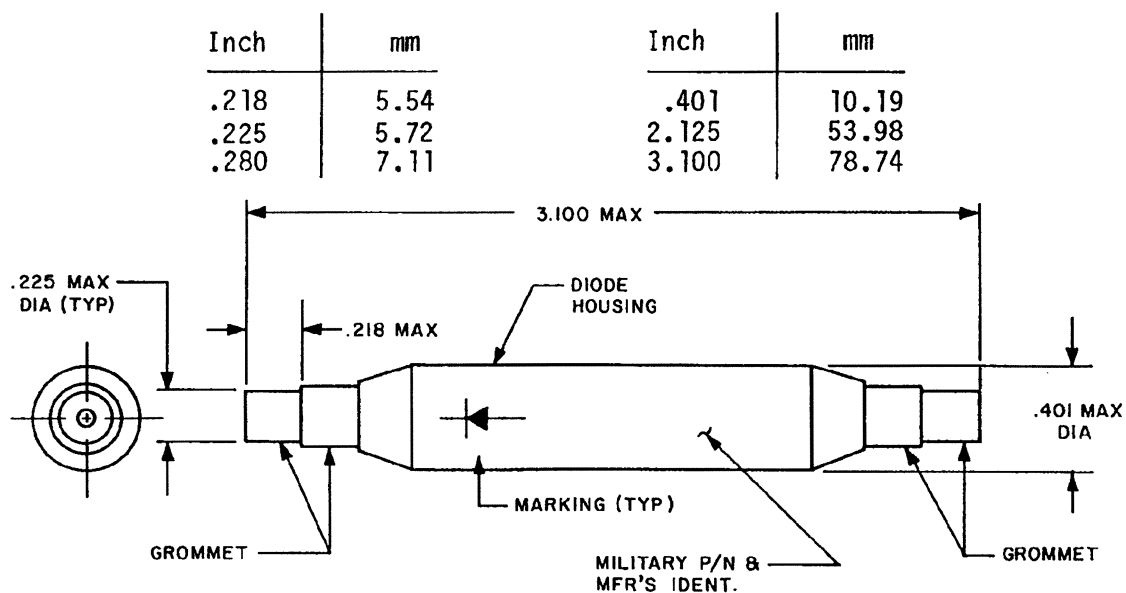


FIGURE 2. STYLE 2 ELECTRONIC IN-LINE JUNCTION.

TABLE II. STYLE 2 PART NUMBERS.

		Contacts (see Note 3)	
Part Number <u>1</u> /	Diode P/N	Size	Part Number
M81714/21-2D001	1N5061	20	M39029/1-101
M81714/21-2D002	1N5199	20	M39029/1-101

1/ See part number explanation, Note 5

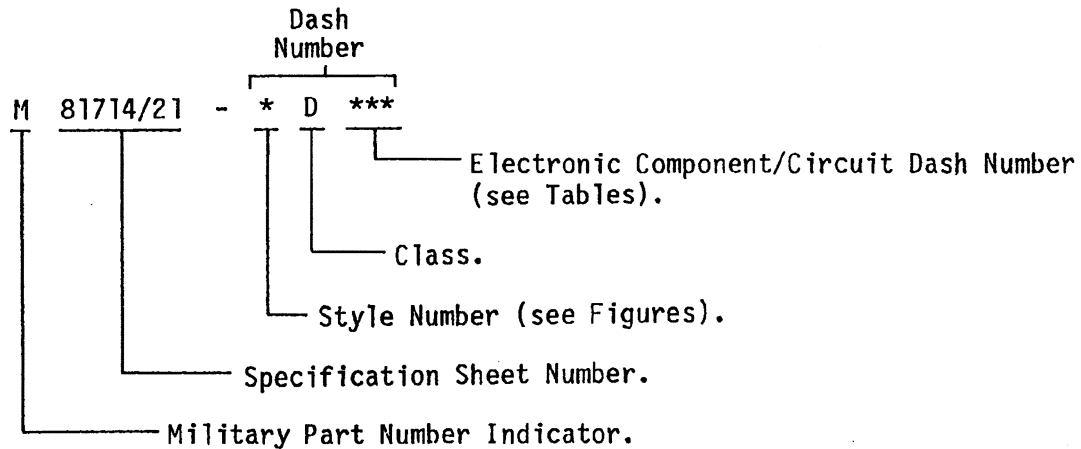
REQUIREMENTS:

1. MATERIALS:

- CURRENT CARRYING MEMBERS OF THE ELECTRONIC IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE COMPONENT SPECIFICATION.
- HOUSING SHALL BE COVERED BY SHRINK TUBING AND/OR SHROUDED WITH GROMMET MATERIAL.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. MIL-T-81714 REQUIREMENTS APPLY TO BASIC IN-LINE JUNCTION ONLY. FOR RATING AND CHARACTERISTICS OF ELECTRONIC COMPONENT(S), CONSULT COMPONENT SPECIFICATION.
3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-02 AND SHALL BE ORDERED SEPARATELY.
4. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
5. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, STYLE NUMBER (SEE FIGURES), CLASS, AND ELECTRONIC COMPONENT/CIRCUIT DASH NUMBER (SEE TABLES).



PART NUMBER EXAMPLE:

M81714/21-1D001

DIODE IN-LINE JUNCTION, SIZE 22, STYLE 1, CLASS D, WITH 001 CIRCUIT (ONE JAN 1N5618 DIODE).

6. CLASSES A, B AND C COMPONENTS ARE INACTIVE FOR NEW DESIGN. ONLY CLASS D COMPONENTS SHALL BE USED FOR DIRECT GOVERNMENT ACQUISITION.